

What is claimed is:

1. An improved luminescent wheel axle assembly, comprising a latch base, a ratchet bolt structure, and a plastic optical fiber; wherein said latch base further
5 comprising an upper latch base and a lower latch base, and said latch base on its end surface having a plurality of insert holes for receiving the insertion of said plastic optical fiber structure and being coupled to a power supply to generate the luminescence effect, and said ratchet bolt structure capable of making appropriate adjustment to fit different axle diameters for latching and
10 separating said upper latch base and said lower latch base to facilitate said wheel axle assembly to be installed on both sides of the axle of the wheel and accomplish the safety effect for night driving.
2. An improved luminescence wheel axle assembly of claim 1, wherein said latch
15 base at its center comprises a circular hole for engaging said wheel axle.
3. An improved luminescence wheel axle assembly of claim 1, wherein said upper latch base comprises a receiving rotary axle disposed at the lower left end surface of said upper latch base, a ratchet structure disposed at the right
20 end surface of said upper latch base, and a plurality of insert holes disposed on the end surface of the outer edge of said upper latch base.
4. An improved luminescence wheel axle assembly of claim 1, wherein said lower latch base comprises a rotary axle disposed at the upper left end surface
25 of said lower latch base, a ratchet disposed at the right end surface, and a plurality of insert holes disposed on the end surface of the outer edge of said lower latch base.

5. An improved luminescence wheel axle assembly of claim 1, wherein said ratchet structure comprises a control post, a fixed ratchet plate, a spring, and a fixed plate.
- 5 6. An improved luminescence wheel axle assembly of claim 1, wherein said plastic optical fiber structure comprises a luminescence plastic optical fiber structure and a base, being installed and removed at user's will and having different colors for said luminescence plastic optical fiber structure.
- 10 7. An improved luminescence wheel axle assembly of claim 6, wherein said base is comprised of different luminescence plastic optical fiber structure.